IRRIGATION TECHNIQUES									
1	Course Title:	IRRIGAT	TION TECHNIQUES						
2	Course Code:	TRMS21	5						
3	Type of Course:	Optional							
4	Level of Course:	Short Cy	cle						
5	Year of Study:	2							
6	Semester:	3							
7	ECTS Credits Allocated:	3.00							
8	Theoretical (hour/week):	2.00							
9	Practice (hour/week):	0.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:	-							
12	Language:	Turkish							
13	Mode of Delivery:	Face to f	ace						
14	Course Coordinator:	Öğr.Gör.	Dr. ARZU MOR						
15	Course Lecturers:	Meslek Yüksekokulları Yönetim Kurullarının görevlendirdiği öğretim							
16	Contact information of the Course Coordinator:	Öğr. Gör. Dr. Arzu Mor arzum@uludag.edu.tr 02242942387 BUÜ Teknik Bilimler Meslek Yüksekokulu Görükle Kampüsü BURSA							
17	Website:								
18	Objective of the Course:	Understanding of irrigation machinery in agriculture, different irrigation systems, calculation of irrigation projects							
19	Contribution of the Course to Professional Development:	The basis of our course is to recognize the irrigation methods and technologies required by efficient and sustainable agriculture, and to evaluate them in order to increase agricultural production by knowing the irrigation machines well.							
20	Learning Outcomes:								
		1	Understanding basic fluid mechanics. Classification of irrigation pumps in agriculture.						
		2	Understanding of the pump characteristics, using relevant charts						
		3	Understanding basic theory and working conditions of pumps						
		4	Understanding of the pump performance characteristics						
		5	Making of the pump performance experiments						
		6	Definition and parts of the moving irrigation machinery, sprinkler and drip irrigation systems, and understanding of the principles of design.						
		7	Selection of the appropriate pump for irrigation systems						
		8							
		9							
		10							
21	Course Content:								
		Co	urse Content:						
Week	Theoretical		Practice						
1	Introduction, basic fluid mechanics								

2	The imp general irrigation	ortanc irrigati n mach	e of irr on me iinery	igatio chani	n in ag zation.	ricultu Defin	ire and ition o	d f											
3	Aim and	l classi	ficatio	n of p	umps														
4	Losses	of the p	oumpii	ng pla	ints														
5	Height o	of the p	umpin	ig plai	nts														
6	Pump p	lants a	nd pur	np ch	aracte	ristics.													
7	Examina characte	ation o eristics	f the d	ifferer	nt pump	ping p	lant												
8	Pump p pump cl	erform naracte	ances eristics	and c	letermi	natior	of the	Ð											
9	Exam a	nd repe	eat																
10	Definition machine	n and ery,	parts o	of the	movinę	g irriga	ation												
11	Definition irrigation	n and n syste	parts o ms	of spri	nkler a	nd dri	р												
12	A samp	e proje	ect of i	rrigati	on syst	tem													
13	A samp	e proje	ect of i	rrigati	on sys	tem													
14	Selectio irrigation	n of th n syste	e appr ms an	opriat d pun	e pum np ope	p for rating	costs												
22	Textboo Material	Textbooks, References and/or Other Materials:									Santrifüj Pompalar, Derin Kuyu Pompaları, Dalgıç Pompalar ve Pompa Denemeleri. Uz,E., V.Demir.1995. E.Ü.Ziraat Fakültesi Yayınları, Teksir No.45/1								
Activites								Number			Dura	Duration (hour) T L			Total Work Load (hour)				
Theore	Theoretical								14			2.00	2.00			28.003			
Practica	Practicals/Labs								14			2.00			28.00				
<b>Sek M</b> tu	E A RINON	Bepert	Minnes	;		N	UMBE	:  W	WÊIGHT			0.00			0.00				
Homew	vorks								0				0.00			0.00			
Project	S							0					0.00						
Field St	Field Studies									0			0.00			0.00			
Midtern	Vidterm exams												12.00			12.00			
Others	Others									0			0.00			0.00			
Final E	Final Exams														22.00				
Total Work Load														90.00					
Total work load/30 hi								6	60.00							3.00			
ECTS (	ECTS Credit of the Course								3.00										
Measurement and Evaluation Techniques Used in the Course Measurement and evaluation is carried out according to the priciples of Bursa uludag University Associate and Undergraduate Education Regulation.										g to Id									
24	ECTS	/ WO	RK L	OAD	TAB	LE													
25	25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																		
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ	B PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16			
ÖK1	5	5	3	0	0	0	4	5	5	3	0	0	0	0	0	0			
ÖK2	5	5	3	0	0	0	4	0	5	3	0	0	0	0	0	0			

ÖK3	5	5	3	0	0	0	4	0	5	3	0	0	0	0	0	0
ÖK4	5	5	3	0	0	0	4	0	5	2	0	0	0	0	0	0
ÖK5	5	5	3	0	0	0	4	0	5	2	0	0	0	0	0	0
ÖK6	5	5	3	0	0	0	4	0	5	2	0	0	0	0	0	0
ÖK7	5	5	3	0	0	0	4	0	5	2	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:				2 low			3 Medium			4 High			5 Very High			